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(8) ED 020 907 MF $0.25 HC $2.35
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*INDIVIDUAL INSTRUCTION, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *RESEARCH REVIEWS, AUDIOVISUAL AIDS, AUTOINSTRUCTIONAL METHODS, AUTOINSTRUCTIONAL AIDS, MULTIMEDIA INSTRUCTION, SCIENCE MATERIALS, SCIENTIFIC ATTITUDES, SCIENTIFIC CONCEPTS

87. SE 004 037 3 10 91 17
O'TOOLE, RAYMOND JOSEPH
A STUDY TO DETERMINE WHETHER FIFTH GRADE CHILDREN CAN LEARN CERTAIN SELECTED PROBLEM SOLVING ABILITIES THROUGH INDIVIDUALIZED INSTRUCTION
COLORADO STATE COLLEGE, GREELEY
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
ED 021 714 NOT AVAILABLE FROM EDRS
66 166
*ACHIEVEMENT, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *INDIVIDUAL INSTRUCTION, DOCTORAL THESES, GRADE 5, GROUP INSTRUCTION, PROBLEM SOLVING, RESEARCH REPORTS, SELF CONCEPT, STUDENT SCIENCE INTERESTS, SCIENCE TEACHERS, SCIENCE COURSE IMPROVEMENT PROJECT, TEACHING METHODS, TEACHING TECHNIQUES, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, SCIENCE - A PROCESS APPROACH, TODAY'S BASIC SCIENCE, STANFORD SCIENCE ACHIEVEMENT TEST, 1966

88. SE 005 646 1 10 12 17
PARAKH, JAL S.
A STUDY OF TEACHER-PUPIL INTERACTION IN HIGH SCHOOL CLASSES, PART II, DESCRIPTION AND ANALYSIS
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68 10
*BIOLOGY, *INTERACTION PROCESS ANALYSIS, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, LEARNING, RESEARCH REPORTS, STUDENT CHARACTERISTICS, STUDENT BEHAVIOR, TEACHER BEHAVIOR, TEACHER CHARACTERISTICS, FLANDERS INTERACTION ANALYSIS SYSTEM, 1967

89. SE 005 713 1 10 12 20
PEABODY, FRANK R.; WIEGAND, HENRY D.
INITIATING A MICROBIOLOGY PROGRAM IN HIGH SCHOOL BIOLOGY
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08 00 68 3
*CURRICULUM DEVELOPMENT, *INSTRUCTION, *LABORATORY EXPERIMENTS, *MICROBIOLOGY, *SECONDARY SCHOOL SCIENCE, BIOLOGY, LABORATORY TECHNIQUES, SCIENCE ACTIVITIES, SAFETY

90. SE 005 465 1 20 01 17
PELLA, MILTON O.; ZIEGLER, ROBERT E.
USE OF MECHANICAL MODELS IN TEACHING THEORETICAL CONCEPTS
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68 13
*CONCEPT FORMATION, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *PHYSICAL SCIENCES, GRADE 4, GRADE 5, GRADE 6, KINETIC MOLECULAR THEORY, MODELS, RESEARCH REPORTS, SCIENTIFIC CONCEPTS, TEACHING MODELS, 1967

91. SE 005 825 1 10 11 20
PERKES, V. A.
AN INQUIRY INTO PLANT RESPONSES
SCIENCE AND CHILDREN
11 00 68 3
*BOTANY, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *LABORATORY EXPERIMENTS, *SCIENCE ACTIVITIES, BIOLOGY, PAPERS

92. SE 004 038 3 10 23 17
PETRIE, GRACE G.
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ED 021 175 NOT AVAILABLE FROM EDRS
67 95
*CHEMISTRY, *COLLEGE SCIENCE, *CRITICAL THINKING, *INSTRUCTION, *PROBLEM SOLVING, COGNITIVE DEVELOPMENT, DOCTORAL THESES, TEACHING PROCEDURES, RESEARCH REPORTS, 1967

93. SE 004 039 3 10 91 17
PHILLIPS, DARRELL GORDON
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FLORIDA STATE UNIVERSITY, TALLAHASSEE
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ED 022 667 NOT AVAILABLE FROM EDRS
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*CONCEPT FORMATION, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *LEARNING, DOCTORAL THESES, GRADE 3, GRADE 5, GRADE 7, PROBLEM SOLVING, SEQUENTIAL LEARNING, RESEARCH REPORTS, PIAGET, 1967

94. SE 005 023 2 10 91 15
PILTZ, ALBERT; SUND, ROBERT
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68 217
*CREATIVITY, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, AUDIOVISUAL AIDS, CREATIVE TEACHING, PROGRAM DESCRIPTIONS, SCIENCE ACTIVITIES, SCIENCE EXPERIMENTS, TEACHING TECHNIQUES, TEACHING METHODS

95. SE 005 479 1 10 21 15
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68 60
*BIOLOGICAL SCIENCES, *CURRICULUM DEVELOPMENT, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *TEACHING GUIDES, CONSERVATION, INSTRUCTIONAL MATERIALS, POLLUTION, SCIENCE ACTIVITIES, SCIENCE COURSE IMPROVEMENT PROJECT, 1968

96. SE 004 040 3 10 01 17
RAUN, CHESTER E.
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*CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *INQUIRY TRAINING, *PROBLEM SOLVING, *STUDENT CHARACTERISTICS, ACHIEVEMENT, BEHAVIOR, COGNITIVE PROCESSES, DOCTORAL THESES, GRADE 4, GRADE 5, GRADE 6, PREDICTION, RESEARCH REPORTS, SCIENCE COURSE IMPROVEMENT PROJECT, STUDENT BEHAVIOR, SEX DIFFERENCES, STUDENT ATTITUDES, SCIENCE - A PROCESS APPROACH, 1967

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*BEHAVIOR CHANGE, *COGNITIVE DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *LEARNING, GRADE 4, GRADE 5, GRADE 6, INQUIRY TRAINING, RESEARCH REPORTS, STUDENT ATTITUDES, STEP SCIENCE TEST, TAB SCIENCE TEST, GUILFORD FACTOR-RHYMES TEST, GUILFORD FACTOR-COMMON SITUATIONS TEST, GUILFORD FACTOR-SHORT WORDS TEST, METROPOLITAN ACHIEVEMENT TEST, 1967

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ED 024 595 MF $0.25 HC $1.30
66 24
*BEHAVIOR CHANGE, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *STUDENT CHARACTERISTICS, ATTITUDES, ACHIEVEMENT, COGNITIVE DEVELOPMENT, DIVERGENT THINKING, GRADE 4, GRADE 5, GRADE 6, INTELLIGENCE, LEARNING, PROBLEM SOLVING, SCIENCE COURSE IMPROVEMENT PROJECT, SCIENCE - A PROCESS APPROACH, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, UNITED STATES OFFICE OF EDUCATION, 1968

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100. SE 004 138 2 10 81 11
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UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
60 152
*CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *STATE SURVEYS, *SCIENCE TEACHING, DOCTORAL THESES, EDUCATIONAL OBJECTIVES, PROGRAM PROPOSALS, RESEARCH REPORTS, TEACHER EDUCATION, 1960, NEW JERSEY

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RIGGSBY, DUTCHIE S.
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11 00 68 2
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *MOTIVATION, *READING SKILLS, *SCIENCE FICTION, GRADE 6, SCIENCE ACTIVITIES

103. SE 005 758 2 10 81 17
ROOS, ANNE DUNCAN
A CONTENT ANALYSIS OF PUBLISHED AND ORIGINAL VERSE SUITABLE FOR PRIMARY GRADE SCIENCE
TEMPLE UNIVERSITY
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
67 138
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *POETRY, *TEACHING PROCEDURES, DOCTORAL THESES, LITERATURE, MOTIVATION, PRIMARY GRADES, 1967

104. SE 004 702 1 10 23 20
ROSE, RICHARD W.; GROVER, C. WILLIS
DETERMINING IONIC EQUILIBRIA - THE SOLUTION OF PROBLEMS INVOLVING IONIC EQUILIBRIA IN AQUEOUS SOLUTION
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04 00 68 5
*CHEMISTRY, *COLLEGE SCIENCE, *INSTRUCTION, *PHYSICAL SCIENCES, CALCULATION, EQUILIBRIUM, IONS, PHYSICAL CHEMISTRY

105. SE 004 323 2 10 11 17
RUSH, ORVILLE FINDLEY
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NORTH CAROLINA UNIVERSITY, CHAPEL HILL
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64 246
*BIOLOGY, *CONCEPT FORMATION, *ELEMENTARY SCHOOL SCIENCE, *LEARNING, DOCTORAL THESES, INSTRUCTION, NURSERY SCHOOLS, PRESCHOOL CHILDREN, RESEARCH REPORTS, 1964, SCIENTIFIC CONCEPTS

106. SE 005 500 1 10 22 17
SAMOLIS, ALEXANDER MICHAEL
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DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
07 00 67 2
*CURRICULUM DEVELOPMENT, *CHEMISTRY, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *LABORATORY PROCEDURES, ADMINISTRATION, CURRICULUM PLANNING, COURSE CONTENT, EDUCATIONAL OBJECTIVES, CHEMICAL BOND APPROACH, CHEMICAL EDUCATION MATERIALS STUDY, 1967

107. SE 005 725 1 10 15 20
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62 150
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *SCIENCE TEACHING, QUESTIONING TECHNIQUES, TEACHING TECHNIQUES, TEACHING PROCEDURES, THE INGLIS LECTURE, THE BURTON LECTURE

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68 88
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66 85
*COLLEGE SCIENCE, *INSTRUCTION, *INDIVIDUAL INSTRUCTION, *PROGRAMED INSTRUCTION, ACHIEVEMENT, CHEMISTRY, DOCTORAL THESES, PHYSICAL SCIENCES, TEACHER EDUCATION, STEP SCIENCE TEST, NELSON-DENNY READING TEST

111. SE 005 817 1 10 12 29
SHUBECK, PAUL P.
THE USE OF SEMINAR REPORTS IN A HIGH SCHOOL BIOLOGY INSTITUTE FOR HIGH SCHOOL STUDENTS
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*BIOLOGY, *INSTRUCTION, *PROGRAM DESCRIPTIONS, *STUDENT SEMINARS, *SECONDARY SCHOOL SCIENCE, *ECOLOGY, ENTOMOLOGY, EVOLUTION, GENETICS, PARASITOLOGY, SCIENCE INSTITUTES, PINGRY SCHOOL ECOLOGY INSTITUTE, 1968

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04 00 68 2
*COLLEGE SCIENCE, *CHEMISTRY, *INSTRUCTION, *ORGANIC CHEMISTRY, COURSE DESCRIPTIONS, COURSE CONTENT, LABORATORY, PHYSICAL SCIENCES, STATE UNIVERSITY OF NEW YORK, CORTLAND

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SKINNER, B. F.
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*EDUCATIONAL METHODS, *INSTRUCTION, *LEARNING, *PROGRAMED INSTRUCTION, *SCIENCE EDUCATION, EDUCATIONAL THEORY, EDUCATIONAL RESEARCH, SECONDARY SCHOOL SCIENCE, TEACHER EDUCATION, TEACHER CHARACTERISTICS

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ED 020 140 MF $0.25 HC $0.65
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*DISCOVERY LEARNING, *INSTRUCTION, *LEARNING, *PROGRAMED INSTRUCTION, *REINFORCEMENT, *SECONDARY SCHOOL SCIENCE, *SCIENCE EDUCATION, AUDIOVISUAL AIDS, EDUCATIONAL PROBLEMS, SCIENTIFIC MANPOWER, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

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SMITH, DOYLE D.
AN EVALUATION OF THE EFFECTIVENESS OF TELEVISION INSTRUCTION AT MIDWESTERN UNIVERSITY
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*COLLEGE SCIENCE, *COLLEGE MATHEMATICS, *INSTRUCTION, *MATHEMATICS, *TELEVISED INSTRUCTION, BOTANY, EVALUATION, RESEARCH REPORTS, MIDWESTERN UNIVERSITY, WICHITA FALLS, TEXAS, 1968

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SMITH, FRANK
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*CHILD DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *ENVIRONMENTAL INFLUENCES, *HOME INFLUENCES, *INSTRUCTION, *LEARNING, *NATURAL PHENOMENA, *TELEVISION, *SCIENTIFIC CONCEPTS, COMPARATIVE ANALYSIS, CONCEPT FORMATION, RESEARCH REPORTS, STUDENT CHARACTERISTICS

117. SE 005 174 1 10 52 17
SMITH, ROY EMERSON
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*CURRICULUM DEVELOPMENT, *INSTRUCTION, *INSTRUCTIONAL MATERIALS, *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE, DOCTORAL THESES, GRADE 6, GRADE 7, GRADE 8, RESEARCH REPORTS, SCIENCE COURSES

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SNIDER, RAY M.
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02 00 66 25
*INTERACTION PROCESS ANALYSIS, *INSTRUCTION, *PHYSICS, *SECONDARY SCHOOL SCIENCE, *SCIENCE TEACHING, RESEARCH REPORTS, NEW YORK STATE REGENTS PHYSICS COURSE, FLANDERS SYSTEM OF INTERACTION ANALYSIS, TEST ON UNDERSTANDING SCIENCE, REGENTS PHYSICS EXAMINATION, EFFECTIVE TEACHING

119. SE 004 044 3 10 01 17
SNOBLE, JOSEPH JERRY
STATUS AND TRENDS OF ELEMENTARY SCHOOL SCIENCE IN IOWA PUBLIC SCHOOLS, 1963-1966
UNIVERSITY OF IOWA, IOWA CITY
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ED 021 717 NOT AVAILABLE FROM EDRS
67 311
*CURRICULUM, *CURRICULUM EVALUATION, DOCTORAL THESES, ELEMENTARY SCHOOL SCIENCE, ELEMENTARY SCHOOL TEACHERS, INSTRUCTION, INSTRUCTIONAL MATERIALS, PROGRAM EVALUATION, SCHOOL SURVEYS, SCIENCE FACILITIES, RESEARCH REPORTS, IOWA, 1963, 1964, 1965, 1966

120. SE 005 376 1 10 33 17
SNOW, RICHARD E.; AND OTHERS
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JOURNAL OF EDUCATIONAL PSYCHOLOGY
65 11
*ATTITUDES, *COLLEGE SCIENCE, *INDIVIDUAL DIFFERENCES, *INSTRUCTION, *PHYSICS, AUDIOVISUAL AIDS, INSTRUCTIONAL FILMS, RESEARCH REPORTS, SCIENTIFIC ATTITUDES

121. SE 004 910 3 10 11 17
STAUSS, NYLES G.
AN INVESTIGATION INTO THE RELATIONSHIP BETWEEN CONCEPT ATTAINMENT AND LEVEL OF MATURITY
UNIVERSITY OF WISCONSIN, MADISON, RESEARCH AND DEVELOPMENT CENTER
EDRS
ED 020 192 MF $0.50 HC $3.95
02 00 68 77
*CELL THEORY, *CONCEPT FORMATION, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *LEARNING, ACADEMIC AHIEVEMENT, BIOLOGICAL SCIENCES, CURRICULUM PLANNING, COGNITIVE TESTS, RESEARCH REPORTS, SCIENTIFIC CONCEPTS, SCIENCE CONCEPT LEARNING PROJECT

122. SE 004 078 2 10 11 17
STAUSS, NYLES G.
AN INVESTIGATION INTO THE RELATIONSHIP BETWEEN CONCEPT ATTAINMENT AND LEVEL OF MATURITY
UNIVERSITY OF WISCONSIN, MADISON
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67 309
*ACHIEVEMENT, *CONCEPT FORMATION, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *LEARNING, ACHIEVEMENT TESTS, BIOLOGY, COGNITIVE DEVELOPMENT, DOCTORAL THESES, INSTRUCTIONAL MATERIALS, MATURATION, MULTIPLE CHOICE TESTS, RESEARCH REPORTS, TEXTBOOK CONTENT, TESTS, 1967

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UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
55 215
*ACHIEVEMENT, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *TEACHING METHODS, DEMONSTRATIONS, INSERVICE EDUCATION, LECTURE, LABORATORIES, STUDENT ATTITUDES, STUDENT INTEREST, TEACHER EDUCATION

124. SE 004 891 1 10 18 29
STENDLER, CELIA
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66 25
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *LEARNING, *SCIENCE EDUCATION, CONCEPT DEVELOPMENT, COGNITIVE PROCESSES, CURRICULUM PLANNING, PROBLEM SOLVING, PIAGET

125. SE 005 999 2 10 13 17
STOCK, MURRAY
A DETERMINATION OF THE EFFECTIVENESS OF THE CRITICAL ANALYSIS OF SCIENTIFIC AMERICAN PAPERS IN BIOLOGICAL SCIENCE AT THE COLLEGE LEVEL
NEW YORK UNIVERSITY, NEW YORK
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68 172
*ACADEMIC ACHIEVEMENT, *BIOLOGY, *COLLEGE SCIENCE, *INSTRUCTION, *INSTRUCTIONAL MATERIALS, CRITICAL THINKING, DOCTORAL THESES, REFERENCE MATERIALS, RESEARCH REPORTS, STUDENT SCIENCE INTERESTS, SCIENTIFIC AMERICAN, NELSON BIOLOGY TEST, WATSON-GLASER CRITICAL THINKING APPRAISAL, KUDER PREFERENCE RECORD, 1968

126. SE 005 177 1 10 86 17
STROM, WILLIAM DEAN
A COMPARISON OF TEACHING METHODS OF ANIMAL SCIENCE TO OLDER 4-H CLUB BOYS AND GIRLS
OKLAHOMA STATE UNIVERSITY, STILLWATER
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66 81
*AFTER SCHOOL ACTIVITIES, *ANIMAL SCIENCE, *INSTRUCTION, SCIENCE ACTIVITIES, *YOUTH CLUBS, AGRICULTURAL EDUCATION, PROGRAM EVALUATION, SCIENCE EDUCATION, STUDENT PROJECTS, TEACHING METHODS, 4-H CLUBS

127. SE 004 013 2 10 25 20
STRONG, LAURENCE E.
PROVOCATIVE OPINION
JOURNAL OF CHEMICAL EDUCATION
01 00 68 3
*CHEMISTRY, *COLLEGE SCIENCE, *INSTRUCTION, *SCIENTIFIC CONCEPTS, *SECONDARY SCHOOL SCIENCE, ATOMIC STRUCTURE, LEARNING, MOLECULES

128. SE 004 048 3 10 33 17
STROPE, MARVIN BERNARD
A COMPARISON OF FACTUAL AND CONCEPTUAL TEACHING IN INTRODUCTORY COLLEGE ASTRONOMY
UTAH STATE UNIVERSITY, LOGAN
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
ED 021 718 NOT AVAILABLE FROM EDRS
66 81
*ASTRONOMY, *COLLEGE SCIENCE, *CONCEPT FORMATION, *INSTRUCTION, *TEACHING PROCEDURES, DOCTORAL THESES, PHYSICAL SCIENCES, SCIENTIFIC CONCEPTS, STUDENT ATTITUDES, SEX DIFFERENCES, TEACHING METHODS, TEST ON UNDERSTANDING SCIENCE, TEST ON ASTRONOMY FACTS, TEST ON ASTRONOMY CONCEPTS, RESEARCH REPORTS, 1966

129. SE 005 077 2 10 01 15
SUND, ROBERT B.; AND OTHERS
ELEMENTARY SCIENCE TEACHING ACTIVITIES, A DISCOVERY LABORATORY APPROACH
CHARLES E. MERRILL BOOKS, INC., COLUMBUS, OHIO
67 191
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTIONAL MATERIALS, *TEACHING PROCEDURES, BIOLOGICAL SCIENCES, COGNITIVE DEVELOPMENT, DISCOVERY LEARNING, INSERVICE TEACHER EDUCATION, PHYSICAL SCIENCES, SCIENCE EXPERIMENTS, TEACHING METHODS, TEACHING TECHNIQUES

130. SE 005 178 1 10 71 17
SWAN, MALCOLM D.
AN EXPLORATORY STUDY OF SCIENCE ACHIEVEMENT AS IT RELATES TO SCIENCE CURRICULA AND PROGRAMS AT THE SIXTH-GRADE LEVEL IN MONTANA PUBLIC SCHOOLS
UNIVERSITY OF MONTANA, MISSOULA
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65 273
*ACHIEVEMENT, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, ATTITUDES, GRADE 6, PROGRAM DESCRIPTIONS, RESEARCH REPORTS, TEACHING TECHNIQUES, TEACHER ATTITUDES, MONTANA, METROPOLITAN ADVANCED SCIENCE TEST, 1965

131. SE 005 323 3 10 61 15
TAYLOR, PAUL H.; AND OTHERS
SCIENCE GRADE K-6
NORTH CAROLINA STATE DEPARTMENT OF PUBLIC INSTRUCTION, RALEIGH
EDRS
ED 022 708 MF $1.00 HC $10.25
03 00 68 203
*CURRICULUM GUIDES, *ELEMENTARY SCHOOL SCIENCE, *PROGRAM DESCRIPTIONS, *TEACHING GUIDES, CONCEPTUAL SCHEMES, SCIENCE ACTIVITIES, TEACHING TECHNIQUES, TEACHING PROCEDURES

132. SE 004 076 2 10 12 17
TRIEZENBERG, HENRY J.
THE RELATIVE EFFECTIVENESS OF THREE LEVELS OF ABSTRACTION REPRESENTING THE CONCEPTUAL SCHEME OF EQUILIBRIUM AS AN ADVANCE ORGANIZER IN TEACHING
UNIVERSITY OF WISCONSIN, MADISON
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
67 447
*CONCEPT FORMATION, *ECOLOGY, *GRADE 7, *GRADE 9, *INSTRUCTION, *LEARNING, *SECONDARY SCHOOL SCIENCE, *SCIENTIFIC CONCEPTS, *TEACHING METHODS, BIOLOGICAL SCIENCES, DOCTORAL THESES, RESEARCH REPORTS, STUDENT ATTITUDES, TELEVISED INSTRUCTION, 1967

133. SE 004 907 3 10 12 17
TRIEZENBERG, HENRY J.
THE USE OF AN ADVANCE ORGANIZER IN TEACHING SELECTED CONCEPTS OF ECOLOGICAL SYSTEMS
UNIVERSITY OF WISCONSIN, MADISON, RESEARCH AND DEVELOPMENT CENTER
EDRS
ED 020 909 MF $0.25 HC $2.65
02 00 68 51
*CONCEPT FORMATION, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, ACADEMIC ACHIEVEMENT, BIOLOGICAL SCIENCES, COGNITIVE DEVELOPMENT, COMPARATIVE ANALYSIS, ECOLOGY, GRADE 7, GRADE 9, RETENTION, TELEVISED INSTRUCTION, TEACHING TECHNIQUES, SCIENCE CONCEPT LEARNING PROJECT

134. SE 005 652 1 10 22 17
TRINKLEIN, LLOYD A.
COMPARATIVE EFFECTIVENESS OF SHOWING EXCERPTS AND FULL LENGTH FILM IN CHEMISTRY
JOURNAL OF RESEARCH IN SCIENCE TEACHING
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*ACADEMIC ACHIEVEMENT, *CHEMISTRY, *FILMS, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, RESEARCH REPORTS, CHEMICAL EDUCATION MATERIALS STUDY, BROMINE-ELEMENT FROM THE SEA, 1967

135. SE 005 991 1 10 12 17
TROOST, CORNELIUS J.
AN ANALYSIS OF FACTORS INFLUENCING THE TEACHING OF EVOLUTION IN THE SECONDARY SCHOOLS OF INDIANA
INDIANA UNIVERSITY
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
66 141
*BIOLOGY, *COURSE CONTENT, *EVOLUTION, *SECONDARY SCHOOL SCIENCE, DOCTORAL THESES, CONTENT SELECTION, RESEARCH REPORTS, SURVEYS, INDIANA

136. SE 004 387 1 10 21 17
TROOST, CORNELIUS J.
TEACHING OF EVOLUTION IN THE SECONDARY SCHOOLS OF INDIANA
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*EVOLUTION, *SECONDARY SCHOOL SCIENCE, *STATE SURVEYS, BIOLOGY, COURSE CONTENT, INSTRUCTION, RESEARCH REPORTS, INDIANA, 1966

137. SE 005 526 1 10 83 29
VAROSSIEAU
THE USE OF CLOSED-CIRCUIT TELEVISION AND SCIENTIFIC FILMS FOR UNIVERSITY TEACHING IN THE NETHERLANDS
IMPACT OF SCIENCE ON SOCIETY
68 12
*CLOSED CIRCUIT TELEVISION, *COLLEGE SCIENCE, *FOREIGN COUNTRIES, *FILMS, *INSTRUCTION, EDUCATIONAL TELEVISION, HIGHER EDUCATION, PROGRAM DESCRIPTIONS, RESEARCH OPPORTUNITIES, 1968, NETHERLANDS, INTERNATIONAL SCIENTIFIC FILM ASSOCIATION

138. SE 004 906 3 10 21 17
VOELKER, ALAN M.
THE RELATIVE EFFECTIVENESS OF TWO METHODS OF INSTRUCTION IN TEACHING THE CLASSIFICATIONAL CONCEPTS OF PHYSICAL AND CHEMICAL CHANGE TO ELEMENTARY SCHOOL CHILDREN
UNIVERSITY OF WISCONSIN, MADISON, RESEARCH AND DEVELOPMENT CENTER
EDRS
ED 020 908 MF $0.25 HC $2.35
02 00 68 45
*CHEMISTRY, *CONCEPT FORMATION, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *LEARNING, CHEMISTRY, CONCEPT TEACHING, COGNITIVE DEVELOPMENT, RESEARCH REPORTS, SCIENCE CONEPT, LEARNING PROJECT, TEACHING TECHNIQUES

GPO 814-127-5

139. SE 005 992 1 10 32 17
VOGEL, RICHARD FRANK
AN ANALYSIS OF THE COMPARATIVE EFFECTIVENESS OF COMMON METHODS USED IN TEACHING ELECTRICITY ON THE JUNIOR HIGH SCHOOL LEVEL
TEXAS A & M UNIVERSITY
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
68 130
*INSTRUCTION, *INDUSTRIAL ARTS, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, COURSE EVALUATION, CURRICULUM DEVELOPMENT, DOCTORAL THESES, ELECTRICITY, GENERAL SCIENCE, PHYSICS, RESEARCH REPORTS, TEACHING METHODS, TEACHING PROCEDURES

140. SE 005 183 3 10 72 17
WACHS, STANLEY RICHARD
AN EVALUATION OF A METHOD OF STUDY OF SCIENCE SOURCE PAPERS BY JUNIOR HIGH SCHOOL STUDENTS AS A MEANS OF DEVELOPING THEIR UNDERSTANDING OF THE NATURE OF SCIENCE AND SCIENTISTS
NEW YORK UNIVERSITY, NEW YORK
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ED 025 418 NOT AVAILABLE FROM EDRS
66 120
*ACADEMIC ACHIEVEMENT, *GENERAL SCIENCE, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *SCIENTIFIC ENTERPRISE, DOCTORAL THESES, GRADE 7, SCIENTIFIC ATTITUDES, TEST ON UNDERSTANDING SCIENCE

141. SE 005 690 3 10 22 22
WALTON, GEORGE
A SMALL PROJECT RESEARCH PROPOSAL IN SECONDARY SCHOOL SCIENCE EDUCATION
WESTERN NEW MEXICO UNIVERSITY, SILVER CITY
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*CHEMISTRY, *CURRICULUM DEVELOPMENT, *INSTRUCTION, *SECONDARY SCHOOL SCIENCE, ACHIEVEMENT, COURSE DESCRIPTIONS, LOW ACHIEVERS, SCIENCE COURSES, RESEARCH REPORTS, NEW MEXICO

142. SE 004 701 1 10 92 38
WEAVER, ELBERT C.
ENVIRONMENTAL POLLUTION EXPERIMENTS
THE SCIENCE TEACHER
04 00 68 4
*INSTRUCTIONAL MATERIALS, *LABORATORY EXPERIMENTS, *POLLUTION, *SECONDARY SCHOOL SCIENCE, *SCIENCE ACTIVITIES, ATMOSPHERIC SCIENCE, CHEMISTRY, LABORATORY PROCEDURES, PUBLIC HEALTH

143. SE 004 394 1 10 52 17
WELLIVER, PAUL W.
TELEVISION INSTRUCTION AND THE ATTAINMENT OF OBJECTIVES FOR A NINTH GRADE PHYSICAL SCIENCE COURSE
JOURNAL OF RESEARCH IN SCIENCE TEACHING
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*EDUCATIONAL OBJECTIVES, *EDUCATIONAL TELEVISION, *INSTRUCTION, *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE, EDUCATIONAL RESEARCH, GRADE 9, PROBLEM SOLVING, RESEARCH METHODOLOGY, RESEARCH REPORTS, SOCIOECONOMIC INFLUENCES, TEACHING TECHNIQUES, SCIENCE COURSES, TELEVISION, NORTH CAROLINA, TEST ON UNDERSTANDING SCIENCE, SEQUENTIAL TEST OF EDUCATIONAL PROGRESS, THURSTONE INTEREST INVENTORY, 1965

144. SE 004 052 3 10 72 17
WILLIAMS, CHARLES FENTON
A NEW APPROACH FOR TEACHING THE HISTORY AND DEVELOPMENT OF SCIENTIFIC CONCEPTS IN JUNIOR HIGH SCHOOL SCIENCE
UNIVERSITY OF TEXAS, AUSTIN
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
ED 021 720 NOT AVAILABLE FROM EDRS
67 130
*ATTITUDES, *SECONDARY SCHOOL SCIENCE, *SCIENCE HISTORY, *SCIENTIFIC CONCEPTS, ATTITUDE TESTS, CONCEPT FORMATION, DOCTORAL THESES, GENERAL SCIENCE, GRADE 8, PHYSIOLOGY, STUDENT INTERESTS, STUDENT ATTITUDES, TEACHING METHODS, TEACHING PROCEDURES, RESEARCH REPORTS, 1967

145. SE 004 053 3 10 91 17
WILSON, JOHN HAROLD
DIFFERENCES BETWEEN THE INQUIRY-DISCOVERY AND THE TRADITIONAL APPROACHES TO TEACHING SCIENCE IN ELEMENTARY SCHOOLS
UNIVERSITY OF OKLAHOMA, NORMAN
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
ED 021 721 NOT AVAILABLE FROM EDRS
67 101
*CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL TEACHER, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *TEACHER EDUCATION, COGNITIVE DEVELOPMENT, CRITICAL THINKING, INQUIRY TRAINING, INSERVICE TEACHER EDUCATION, QUESTIONING TECHNIQUES, SCIENCE COURSE IMPROVEMENT PROJECT, TEACHER CHARACTERISTICS, TEACHING METHODS, TEACHING PROCEDURES, RESEARCH REPORTS, SCIENCE CURRICULUM IMPROVEMENT STUDY, 1967

146. SE 004 765 1 10 93 17
WING, RICHARD L.
SIMULATION AS A METHOD OF INSTRUCTION IN SCIENCE EDUCATION
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05 00 68 2
*COMPUTERS, *COLLEGE SCIENCE, *INSTRUCTION, *SIMULATION, *SECONDARY SCHOOL SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS, SAGE

147. SE 005 886 1 10 52 17
YAGER, ROBERT E.
CRITICAL THINKING AND REFERENCE MATERIALS IN THE PHYSICAL SCIENCE CLASSROOM
SCHOOL SCIENCE AND MATHEMATICS
11 00 68 4
*ACHIEVEMENT, *CRITICAL THINKING, *INSTRUCTIONAL MATERIALS, *MULTIMEDIA INSTRUCTION, *PHYSICAL SCIENCES, *SECONDARY SCHOOL SCIENCE, CHEMISTRY, COMPARATIVE ANALYSIS, PHYSICS, RESEARCH REPORTS, SCIENTIFIC ENTERPRISE, PROUSE SUBJECT PREFERENCE SURVEY, WATSON-GLASER CRITICAL THINKING APPRAISAL, TEST ON UNDERSTANDING SCIENCE

148. SE 005 668 1 10 95 20
YOUDEN, W. J.
CHANCE, UNCERTAINTY, AND TRUTH IN SCIENCE
THE SCIENCE TEACHER
11 00 68 4
*DATA ANALYSIS, *INSTRUCTION, *SCIENCE EXPERIMENTS, *STATISTICS, ESSAYS, MATHEMATICS, RESEARCH DESIGN

149. SE 004 326 1 10 81 17
ZEPP, GEORGE DANIEL
THE IMPROVEMENT OF READING AND READING STUDY SKILLS IN GRADES SEVEN AND EIGHT THROUGH ENGLISH, HISTORY, GEOGRAPHY, AND SCIENCE
MARYLAND UNIVERSITY, COLLEGE PARK
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
63 320
*INSTRUCTION, *READING INSTRUCTION, *SECONDARY SCHOOL SCIENCE, ACHIEVEMENT, CURRICULUM DEVELOPMENT, DOCTORAL THESES, ENGLISH, GRADE 7, GRADE 8, GEOGRAPHY, HISTORY, INSERVICE TEACHER EDUCATION, RESEARCH REPORTS, READING SKILLS, READING IMPROVEMENT, TEACHING TECHNIQUES, TEACHER EDUCATION, 1963

150. SE 004 054 3 10 21 17
ZIEGLER, ROBERT E.
THE RELATIVE EFFECTIVENESS OF THE USE OF STATIC AND DYNAMIC MECHANICAL MODELS IN TEACHING ELEMENTARY SCHOOL CHILDREN THE THEORETICAL CONCEPT - THE PARTICLE NATURE OF MATTER
UNIVERSITY OF WISCONSIN, MADISON
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
EDRS
ED 022 670 NOT AVAILABLE FROM EDRS
67 145
*CONCEPT FORMATION, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *LEARNING, *PHYSICAL SCIENCES, COGNITIVE DEVELOPMENT, DOCTORAL THESES, INDIVIDUAL INSTRUCTION, MATTER, PROBLEM SOLVING, SCIENTIFIC CONCEPTS, TEACHING METHODS, RESEARCH REPORTS, PIAGET

151. SE 005 658 1 10 53 17
ZINGARO, JOSEPH S.; COLLETTE, ALFRED T.
A STATISTICAL COMPARISON BETWEEN INDUCTIVE AND TRADITIONAL LABORATORIES IN COLLEGE PHYSICAL SCIENCE
JOURNAL OF RESEARCH IN SCIENCE TEACHING
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*COLLEGE SCIENCE, *CRITICAL THINKING, *INSTRUCTION, *PHYSICAL SCIENCES, INDUCTIVE METHODS, LABORATORY TECHNIQUES, LABORATORY PROCEDURES, RESEARCH REPORTS, SCIENTIFIC CONCEPTS, WATSON-GLASER CRITICAL THINKING APPRAISAL, TEST ON UNDERSTAND SCIENCE, 1967

152. SE 004 005 1 10 23 02
EDITORIALLY SPEAKING - THE HERESY OF BELIEF
JOURNAL OF CHEMICAL EDUCATION
01 00 68 1
*COLLEGE SCIENCE, *CHEMISTRY, *ESSAYS, *EDITORIAL, *INSTRUCTION, *SCIENTIFIC CONCEPTS, MODELS

153. SE 004 541 1 10 33 06
PROCEEDINGS OF THE AMERICAN ASSOCIATION OF PHYSICS TEACHERS. SUMMER MEETING AT THE UNIVERSITY OF WISCONSIN, MADISON, WISCONSIN, 18-20, JUNE, 1964
AMERICAN JOURNAL OF PHYSICS
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*COLLEGE SCIENCE, *CONFERENCE PROCEEDINGS, *PHYSICS, *PROFESSIONAL ASSOCIATIONS, CURRICULUM, EDUCATIONAL PROGRAMS, GENERAL EDUCATION, INSTRUCTION, PHYSICAL SCIENCES, SCIENCE LABORATORIES, SCIENCE EQUIPMENT, AMERICAN ASSOCIATION OF PHYSICS TEACHERS, 1964

154. SE 004 672 1 10 42 38
A SIMPLE AND EFFICIENT WAY TO TEACH SPECTROSCOPY
JOURNAL OF GEOLOGICAL EDUCATION
04 00 68 3
*EARTH SCIENCE, *INSTRUCTION, *LABORATORY EXPERIMENTS, *SPECTROSCOPY, *SCIENCE EQUIPMENT, ASTRONOMY, CHEMISTRY, GEOLOGY, SECONDARY SCHOOL SCIENCE, SCIENCE ACTIVITIES

155. SE 004 204 1 10 51 17
TEACHING FOURTH GRADE SCIENCE BY MEANS OF PROGRAMMED SCIENCE MATERIALS WITH LABORATORY EXPERIENCES
SCIENCE EDUCATION
02 00 64 13
*ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *PROGRAMED INSTRUCTION, *TEACHING PROCEDURES, ACADEMIC ACHIEVEMENT, COMPARATIVE ANALYSIS, GRADE 4, PROGRAMED MATERIALS, PHYSICAL SCIENCES, RESEARCH REPORTS, 1964

B. MATHEMATICS EDUCATION

1. SE 005 195 3 10 09 17
BASSLER, OTTO C.
COMPARISON OF TWO TEACHING TECHNIQUES IN ELEMENTARY SCHOOL MATHEMATICS
GEORGE PEABODY COLLEGE FOR TEACHERS, NASHVILLE, TENNESSEE
EDRS
ED 023 595 MF $0.25 HC $2.75
07 00 68 53
*ARITHMETIC, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION, *MATHEMATICS, *PROGRAMED INSTRUCTION, COMPARATIVE ANALYSIS, FUNDAMENTAL CONCEPTS, GRADE 4, GRADE 6, GRADE 8, TEACHING PROCEDURES, 1960

2. SE 004 844 3 10 09 08
BEAMISH, ERIC EDWARD
A SHORT STUDY FILM FOR TEACHING THE SOLUTION OF SIMPLE PROBLEMS IN MULTIPLICATION USING THE C AND D SCALES OF THE SLIDE RULE
COLUMBIA UNIVERSITY, NEW YORK, NEW YORK
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
EDRS
ED 025 407 NOT AVAILABLE FROM EDRS
67 140
*INSTRUCTIONAL FILMS, *INSTRUCTIONAL MATERIALS, *MATHEMATICS, INSTRUCTION, MULTIPLICATION, SINGLE CONCEPT FILMS

3. SE 005 682 1 10 09 31
BEBERMAN, MAX
IMPROVING HIGH SCHOOL MATHEMATICS TEACHING
EDUCATIONAL LEADERSHIP
12 00 59 6
*INSTRUCTION, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, ALGEBRA, CURRICULUM, GRADE 9, UNIVERSITY OF ILLINOIS COMMITTEE ON SCHOOL MATHEMATICS

4. SE 005 685 1 10 09 15
BRAUNFELD, PETER; AND OTHERS
A NEW UICSM APPROACH TO FRACTIONS FOR THE JUNIOR HIGH SCHOOL
THE MATHEMATICS TEACHER
03 00 67 7
*FRACTIONS, *INSTRUCTION, *MATHEMATICS, *MATHEMATICAL MODELS, *SECONDARY SCHOOL MATHEMATICS, ARITHMETIC, GRADE 7, UNIVERSITY OF ILLINOIS COMMITTEE ON SCHOOL MATHEMATICS

5. SE 005 686 1 10 09 15
BRAUNFELD, PETER; WOLFE, MARTIN
FRACTIONS FOR LOW ACHIEVERS
THE ARITHMETIC TEACHER
12 00 66 9
*ARITHMETIC, *FRACTIONS, *INSTRUCTION, *LOW ACHIEVERS, *MATHEMATICS, *SECONDAR.
SCHOOL MATHEMATICS, GRADE 7, GRADE 8

6. SE 005 687 1 10 09 17
BROWN, O. ROBERT
USING A PROGRAMMED TEXT TO PROVIDE AN EFFICIENT AND THOROUGH TREATMENT OF SOLID GEOMETRY UNDER FLEXIBLE CLASSROOM PROCEDURES
THE MATHEMATICS TEACHER
05 00 67 12
*ACHIEVEMENT, *INSTRUCTION, *MATHEMATICS, *PROGRAMED INSTRUCTION, *SECONDARY SCHOOL MATHEMATICS, *SOLID GEOMETRY, RESEARCH REPORTS, UNIVERSITY OF ILLINOIS COMMITTEE ON SCHOOL MATHEMATICS, 1967

7. SE 005 193 3 10 09 17
BROWNELL, WILLIAM A.; AND OTHERS
ARITHMETICAL COMPUTATION - COMPETENCE AFTER THREE YEARS OF LEARNING UNDER DIFFERING INSTRUCTIONAL PROGRAMS
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EDRS
ED 022 703 MF $1.00 HC $12.85
06 00 68 255
*ARITHMETIC, *COMPARATIVE ANALYSIS, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION, ACHIEVEMENT, LEARNING, MATHEMATICS, TEACHING TECHNIQUES, RESEARCH REPORTS, SCOTLAND

8. SE 005 515 1 10 09 31
CHIBA, SISTER MARY GERTRUDE
THE USE OF VECTORS IN TEACHING GEOMETRY AT THE TWELFTH GRADE LEVEL
DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
12 00 66 2
*GEOMETRY, *INSTRUCTION, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, *TEACHING PROCEDURES, COURSE CONTENT, CURRICULUM, CURRICULUM DEVELOPMENT, GRADE 12

9. SE 005 918 1 10 09 17
DART, THOMAS M.; HICKS, RANDALL C.
TOPIC SEQUENCING IN A COLLEGE MATHEMATICS COURSE FOR NON-SCIENTIFIC MAJORS
SCHOOL SCIENCE AND MATHEMATICS
12 00 68 4
*ACADEMIC ACHIEVEMENT, *COLLEGE MATHEMATICS, *INSTRUCTION, *MATHEMATICS, ACHIEVEMENT, COURSE CONTENT, CURRICULUM, GENERAL EDUCATION, SEQUENTIAL APPROACH

10. SE 004 622 2 10 09 17
HAGAN, ANASTASIA M.
AN ANALYSIS OF THE RELATIONSHIP OF SCHEDULED CLASS TIME AND ACHIEVEMENT UNDER TWO METHODS OF INSTRUCTION
ARLINGTON HIGH SCHOOL, PENNSYLVANIA
06 00 67 44
*ACHIEVEMENT, *INSTRUCTION, *PROGRAMED INSTRUCTION, *SECONDARY SCHOOL MATHEMATICS, ACADEMIC ACHIEVEMENT, ALGEBRA, COMPARATIVE ANALYSIS, GRADE 9, INDEPENDENT STUDY, MATHEMATICS, PROGRAMED MATERIALS, RESEARCH REPORTS

11. SE 005 670 1 10 09 20
HENDRIX, GERTRUDE
LEARNING BY DISCOVERY
THE MATHEMATICS TEACHER
05 00 61 10
*CLASSROOM TECHNIQUES, *DISCOVERY PROCESSES, *INSTRUCTION, *MATHEMATICS, *MATHEMATICS EDUCATION, *TEACHING TECHNIQUES, DISCOVERY LEARNING, LEARNING PROCESSES

12. SE 005 671 1 10 09 20
HENDRIX, GERTRUDE
THE PSYCHOLOGICAL APPEAL OF DEDUCTIVE PROOF
THE MATHEMATICS TEACHER
11 00 61 6
*DEDUCTIVE METHODS, *INSTRUCTION, *LEARNING, *MATHEMATICS, GEOMETRY, LEARNING PROCESSES, TEACHING PROCEDURES

13. SE 005 672 1 10 09 20
HENDRIX, GERTRUDE
VARIABLE PARADOX - A DIALOG IN ONE ACT
SCHOOL SCIENCE AND MATHEMATICS
06 00 59 4
*ALGEBRA, *INSTRUCTION, *MATHEMATICS, *STUDENT PARTICIPATION, *TEACHING PROCEDURES

14. SE 005 517 1 10 09 17
HERSCHL, JOSEPH R.
THE ACADEMIC EFFECTIVENESS OF THE OVERHEAD PROJECTOR AS A TEACHING DEVICE IN ALGEBRA I AT ANDREW W. MELLON JUNIOR HIGH SCHOOL, MOUNT LEBANON, PENNSYLVANIA
DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
07 00 67 2
*AUDIOVISUAL AIDS, *ALGEBRA, *ACHIEVEMENT, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, ACADEMIC ACHIEVEMENT, COMPARATIVE ANALYSIS, INSTRUCTION, MECHANICAL TEACHING AIDS, OVERHEAD PROJECTORS

15. SE 005 518 1 10 09 17
HERSHBERGER, FLOYD
A COMPARATIVE EVALUATION OF AN ALGEBRA I SMSG AND CONVENTIONAL COURSE FOR PENN HIGH SCHOOL, MISHAWAKA, INDIANA
DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
08 00 64 2
*ALGEBRA, *COMPARATIVE ANALYSIS, *INSTRUCTION, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, TEACHING PROCEDURES, SCHOOL MATHEMATICS STUDY GROUP

16. SE 005 520 1 10 09 31
HETTINGER, SISTER JEAN MARIE
THE USE OF PROGRAMED MATERIALS TO SUPPLEMENT THE CLASS WORK IN THE TEACHING OF A FIRST COURSE IN MODERN ALGEBRA
DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
08 00 66 2
*ALGEBRA, *INSTRUCTION, *MATHEMATICS, *PROGRAMED MATERIALS, *PROGRAMED INSTRUCTION, *SECONDARY SCHOOL MATHEMATICS, CURRICULUM DEVELOPMENT, CURRICULUM, MODERN MATHEMATICS, MATERIAL DEVELOPMENT, PROBLEM SOLVING

17. SE 005 540 1 10 09 22
HOHN, FRANZ
TEACHING CREATIVITY IN MATHEMATICS
THE ARITHMETIC TEACHER
03 00 61 10
*CREATIVITY, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION, *MATHEMATICS, DISCOVERY PROCESSES, FUNDAMENTAL CONCEPTS, NUMBER CONCEPTS, UNIVERSITY OF ILLINOIS ARITHMETIC PROJECT

18. SE 004 939 3 10 09 17
KLEIN, GEORGE
INVESTIGATIONS ON THE FEASIBILITY OF SOME EXTENSIONS OF SCHOOL ARITHMETIC
UNIVERSITY OF CHICAGO
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05 00 68 18
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19. SE 004 283 1 10 09 20
LIPSON, JOSEPH I.
TRANSFER GENERALIZATION IN INDIVIDUALLY PRESCRIBED INSTRUCTION
PITTSBURGH UNIVERSITY, PENNSYLVANIA, LEARNING RESEARCH AND DEVELOPMENT CENTER
02 00 66 13
*ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION, *LEARNING, *MATHEMATICS, *TRANSFER, ARITHMETIC, BEHAVIORAL OBJECTIVES, CURRICULUM, GEOMETRY, INDIVIDUALIZED INSTRUCTION, UNIVERSITY OF PITTSBURGH, 1966

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MADDEN, J. VINCENT
AN EXPERIMENTAL STUDY OF STUDENT ACHIEVEMENT IN GENERAL MATHEMATICS IN RELATION TO CLASS SIZE
SCHOOL SCIENCE AND MATHEMATICS
10 00 68 4
*ACHIEVEMENT, *CLASS SIZE, *INSTRUCTION, *SECONDARY SCHOOL MATHEMATICS, *TEAM TEACHING, GRADE 9, MATHEMATICS, SEX DIFFERENCES, CONTEMPORARY MATHEMATICS TEST, THE IOWA TESTS OF EDUCATIONAL DEVELOPMENT

21. SE 005 521 1 10 09 17
MALERICH, SISTER M. ANTONE
PLANS FOR THE IMPLEMENTATION OF THE ENRICHMENT OF NINTH AND TENTH GRADE MATHEMATICS IN CATHEDRAL HIGH SCHOOL, ST. CLOUD, MINNESOTA
DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
08 00 63 2
*CURRICULUM DEVELOPMENT, *INSTRUCTION, *MATHEMATICS, *PROGRAM IMPROVEMENT, *SECONDARY SCHOOL MATHEMATICS, ALGEBRA, CHEMISTRY, CURRICULUM, GRADE 9, GRADE 10, PHYSICS, ST. CLOUD, MINNESOTA

22. SE 005 502 1 10 09 22
MARRINAN, EDWARD L.
A DESCRIPTION OF THE TEACHING OF MODERN MATHEMATICS THROUGH PROGRAMED INSTRUCTION ON THE NINTH GRADE LEVEL AT DAYTON CHAMINADE HIGH SCHOOL, DAYTON, OHIO
DAYTON UNIVERSITY, OHIO, SCHOOL OF EDUCATION
12 00 63 2
*CURRICULUM, *INSTRUCTION, *MATHEMATICS, *PROGRAMED INSTRUCTION, *SECONDARY SCHOOL MATHEMATICS, GRADE 9, MODERN MATHEMATICS, RESEARCH REPORTS, TEAM TEACHING, DAYTON, OHIO

23. SE 005 867 1 10 09 31
MONTGOMERY, JAMES
THE USE OF CLOSED CIRCUIT TELEVISION IN TEACHING JUNIOR HIGH MATHEMATICS
SCHOOL SCIENCE AND MATHEMATICS
11 00 68 3
*EDUCATIONAL TELEVISION, *INSTRUCTION, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, *TELEVISED INSTRUCTION, CURRICULUM, GRADE 7, RESEARCH REPORTS, TEACHER EDUCATION, 1967

24. SE 004 525 1 10 09 20
MOORE, OMAR K.
ON RESPONSIVE ENVIRONMENTS
UNIVERSITY OF PITTSBURGH, PENNSYLVANIA, LEARNING RESEARCH AND DEVELOPMENT CENTER
04 00 67 10
*EDUCATIONAL PROGRAMS, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION, *LEARNING, *MATHEMATICS, *RESEARCH, INNOVATION, PROGRAM IMPROVEMENT

25. SE 005 865 1 10 09 17
MOORE, WILLIAM J.; CAIN, RALPH W.
THE NEW MATHEMATICS AND LOGICAL REASONING AND CREATIVE THINKING ABILITIES
SCHOOL SCIENCE AND MATHEMATICS
11 00 68 4
*CREATIVE THINKING, *INSTRUCTION, *LOGICAL THINKING, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, ALGEBRA, CURRICULUM, DISCOVERY LEARNING, RESEARCH REPORTS

26. SE 005 983 1 10 09 17
NABORS, CECIL THOMAS
THE EFFECT OF INDIVIDUALIZED VERBAL PROBLEM ASSIGNMENTS ON THE MATHEMATICAL ACHIEVEMENT OF FIFTH-GRADE STUDENTS
UNIVERSITY OF HOUSTON
UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN
68 128
*ACHIEVEMENT, *ARITHMETIC, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION, GRADE 5, INDIVIDUAL INSTRUCTION, MATHEMATICS

27. SE 005 408 3 10 09 16
NEW YORK CITY DEPARTMENT OF EDUCATION
MATHEMATICS, EIGHTH YEAR, PART I
NEW YORK CITY BOARD OF EDUCATION, BROOKLYN
EDRS
ED 023 599 MF $0.75 HARDCOPY NOT AVAILABLE
68 159
*ARITHMETIC, *INSTRUCTION, *MATHEMATICS, *SECONDARY SCHOOL MATHEMATICS, *TEACHING GUIDES, ALGEBRA, COURSE CONTENT, CURRICULUM, GEOMETRY, GRADE 8, MATHEMATICAL CONCEPTS, NUMBER CONCEPTS

28. SE 005 541 1 10 09 22
PAGE, DAVID A.
ARITHMETIC WITH FRAMES
THE ARITHMETIC TEACHER
04 00 57 14
*ARITHMETIC, *ELEMENTARY SCHOOL MATHEMATICS, *INSTRUCTION, *LEARNING, *MATHEMATICS, CURRICULUM, CURRICULUM DEVELOPMENT, MATHEMATICAL CONCEPTS, NUMBER CONCEPTS, TEACHER EDUCATION, UNIVERSITY OF ILLINOIS ARITHMETIC PROJECT, CARNEGIE CORPORATION, NATIONAL SCIENCE FOUNDATION, 1960

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